

MIRACLE IN WOOD

CREATED BY NATURE - ENGINEERED BY MAN



The Story of
Plywood

AMERICA'S BUSIEST BUILDING MATERIAL

HIGHLIGHTS of PLYWOOD HISTORY

1500 B.C.

EGYPTIANS FIRST GLUED THIN SHEETS OF WOOD TO A THICKER BASE IN BUILDING MUMMY CASES FOR THEIR KINGS. THIS PROCESS, CALLED VENEERING, WAS THE FORERUNNER OF MODERN PLYWOOD.



18TH CENTURY

CHIPPENDALE
BUREAU
1760



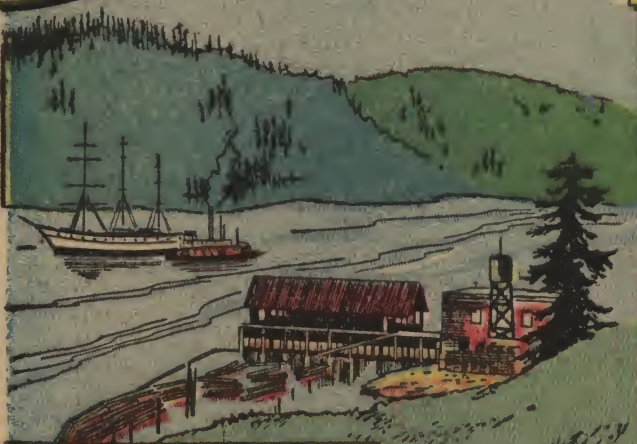
THE ART OF VENEERING FURNITURE BEGAN IN THE MIDDLE AGES AND REACHED ITS PEAK IN THE BEAUTIFULLY DESIGNED PIECES OF SUCH DESIGNERS AS THE FAMOUS CHIPPENDALE.

1830



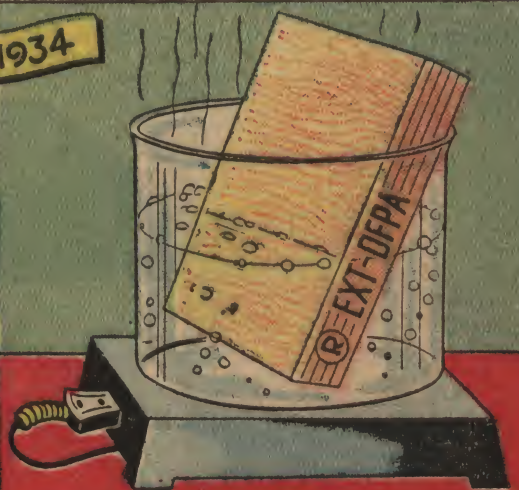
IN THE UNITED STATES, THE PIANO INDUSTRY WAS THE FIRST TO USE PLYWOOD AS WE KNOW IT. MAKERS FOUND THAT BOARDS MADE OF CROSS LAMINATED PLYWOOD GRIPPED THE TUNING PEGS TIGHTER.

1905



THE FIRST CROSS LAMINATED PANELS USING THE GREAT DOUGLAS FIR TREES OF THE PACIFIC NORTHWEST WERE MADE IN PORTLAND, OREGON

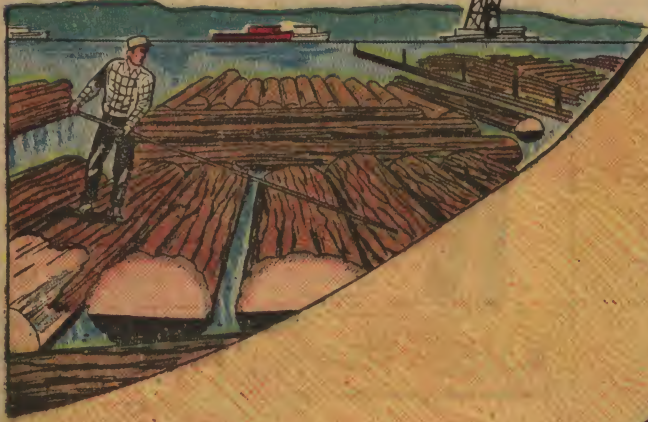
1934



EXTERIOR TYPE DOUGLAS FIR PLYWOOD DEVELOPED. NOW, VERSATILE PLYWOOD COULD BE MADE WITH COMPLETELY WATERPROOF GLUE--PANELS WHICH WITHSTAND WEATHER, WATER, EVEN BOILING.

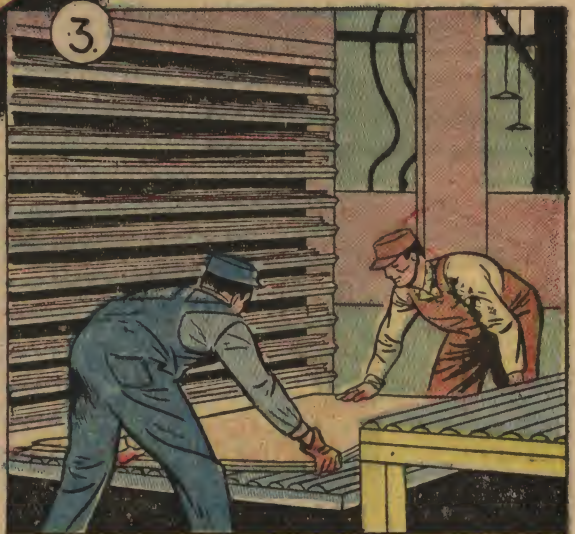
HOW PLYWOOD IS MADE

FIR PLYWOOD IS MADE FROM SELECTED LOGS CUT FROM BIG, STRONG, DURABLE DOUGLAS FIR TREES.



1.

GIANT LATHES PEEL THIN SHEETS OF WOOD (CALLED VENEER) FROM THE LOGS.

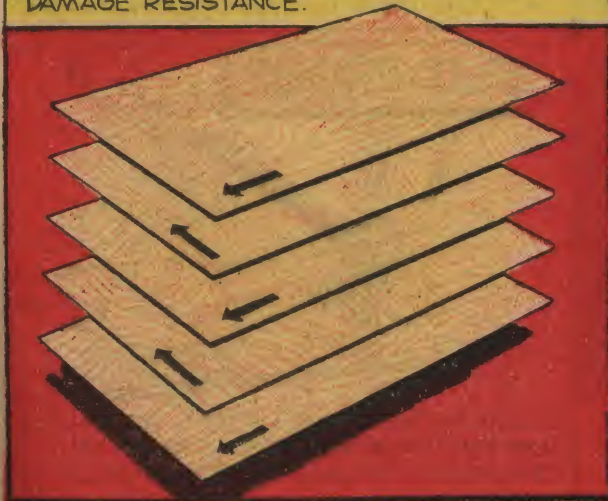


3.

PRESSES BOND THE ASSEMBLED PLYS INTO BIG INSEPARABLE PANELS - "WOOD AND GLUE SANDWICHES"

2.

GLUE IS APPLIED BY ROLLER SPREADERS. VENEER SHEETS ARE ASSEMBLED WITH GRAIN OF ALTERNATE PLYS RUNNING IN OPPOSITE DIRECTIONS. THIS CROSS-LAMINATION OF THE WOOD'S GRAIN GIVES PLYWOOD ITS LARGE SIZE, GREAT STRENGTH AND DAMAGE RESISTANCE.



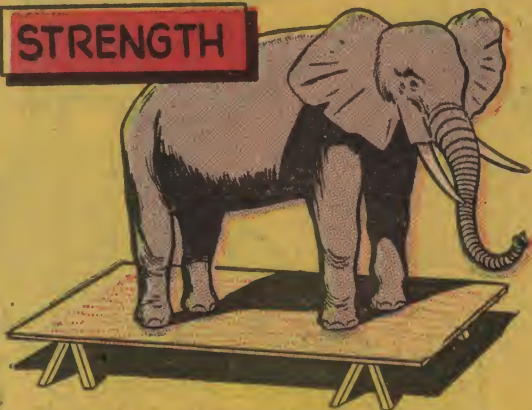
THE FINISHED PRODUCT!
LARGE, LIGHT,
STRONG PANELS
OF REAL WOOD -
READY TO
PERFORM
1,000 JOBS IN
CONSTRUCTION,
INDUSTRY, ON
THE FARM,
AND IN THE
HOME



THE

AMAZING PROPERTIES

STRENGTH



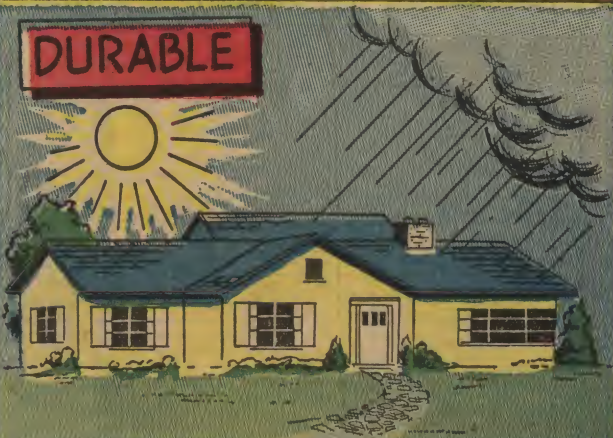
POUND FOR POUND, DOUGLAS FIR PLYWOOD IS ONE OF THE STRONGEST BUILDING MATERIALS KNOWN BECAUSE CROSS-BONDING OF PLYS CREATES GREAT STRENGTH AND RIGIDITY.

LIGHT WEIGHT



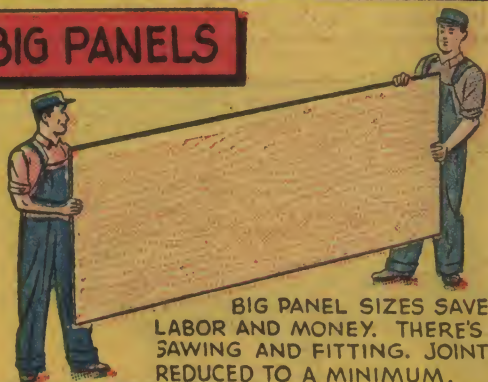
BIG PANELS ARE EASY TO HANDLE. YET, PLYWOOD IS SO STRONG, A THIN LIGHT PANEL WILL DO THE WORK OF OTHER HEAVY, BULKY MATERIALS.

DURABLE



EXTERIOR TYPE PLYWOOD, MADE WITH 100% WATERPROOF GLUE, SHRUGS OFF SUMMER SUN OR WINTER STORMS - EVEN RESISTS BOILING WATER.

BIG PANELS



BIG PANEL SIZES SAVE TIME, LABOR AND MONEY. THERE'S LESS SAWING AND FITTING. JOINTS ARE REDUCED TO A MINIMUM.

HANDY PANELS

SMALL PANELS, TOO, FOR HOBBYISTS IN SELF-SERVICE RACKS AT YOUR LOCAL LUMBER DEALERS.

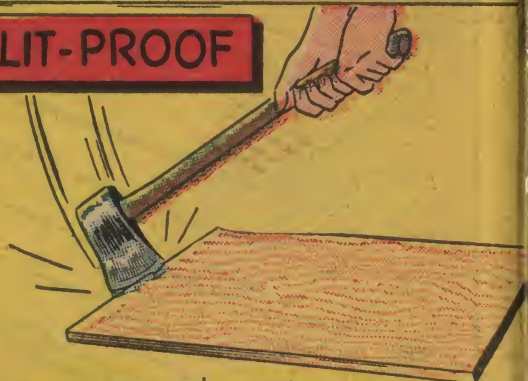


PUNCTURE PROOF



DON'T TRY TO KICK THROUGH A PLYWOOD PANEL! IT CAN'T BE DONE. CROSS LAMINATION MAKES PLYWOOD PUNCTURE-PROOF AGAINST ALL ORDINARY SHOCKS.

SPLIT-PROOF



TOUGH AS THEY COME! THAT'S PLYWOOD. CAN'T BE SPLIT. RESISTS ALL KINDS OF DAMAGE BECAUSE OF CROSS LAMINATION.

ERTIES

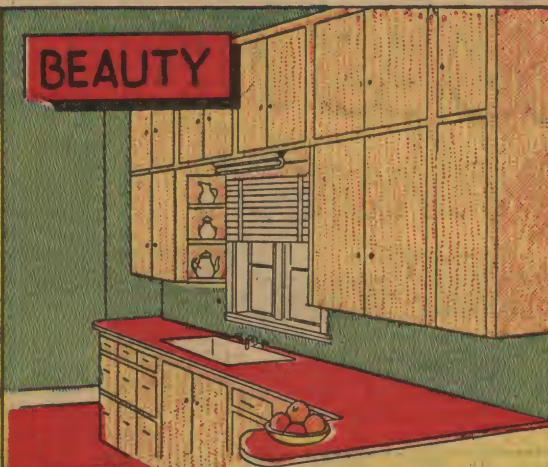
OF DOUGLAS FIR PLYWOOD

WON'T SHRINK OR SWELL



CROSS LAMINATION MAKES PLYWOOD DIMENSIONALLY STABLE, RESISTS CHANGE IN SIZE OR SHAPE OF PANELS.

BEAUTY



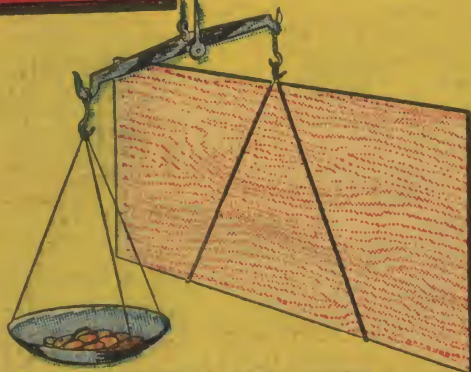
DOUGLAS FIR PLYWOOD HAS ALL THE NATURAL WARMTH AND BEAUTY OF REAL WOOD YET IT WON'T CRACK, SPLIT OR PUNCTURE.

TESTED QUALITY



MANUFACTURED UNDER RIGID STANDARDS (U.S. CS 45-48), DOUGLAS FIR PLYWOOD IS PRE-TESTED IN THE LABORATORY, TIME TESTED IN USE.

LOW COST



PLYWOOD SAVES YOU TIME AND WORK. LOW COST. GOES UP FAST, COVERS BIG AREAS QUICKLY NO WASTE.

EASY TO USE

PLYWOOD IS:

EASY TO SAW



EASY TO NAIL



EASY TO FINISH



EASY TO GLUE

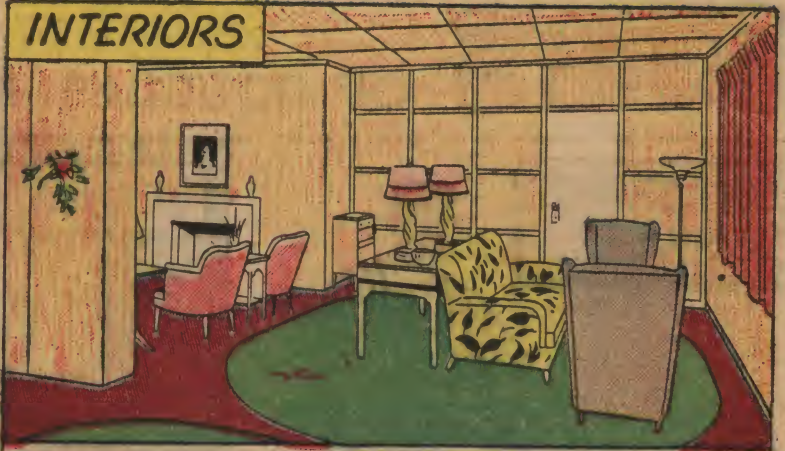


1000 USES!

FOR PLYWOOD

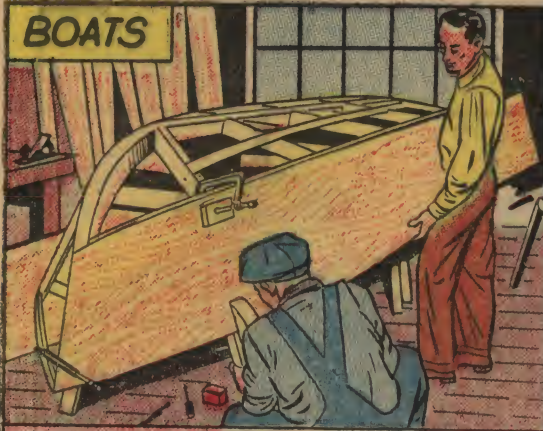
HERE ARE SOME-

INTERIORS



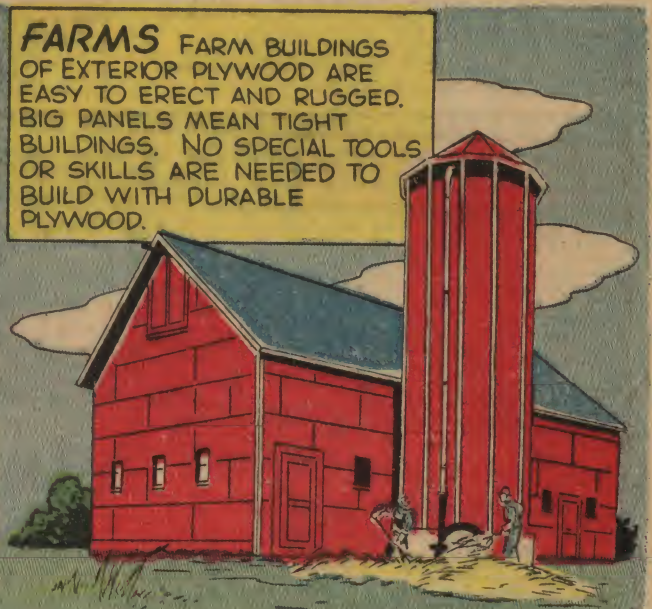
DOUGLAS FIR PLYWOOD BRINGS YOU THE LUXURY OF REAL WOOD PANELING AT LOW-BUDGET COST. NEW LIGHT STAINS BRING OUT THE WARMTH, CHARM AND BEAUTY OF NATURAL GRAIN.

BOATS



EXTERIOR FIR PLYWOOD WITH 100% WATERPROOF GLUE IS THE MIRACLE MATERIAL FOR MARINE CONSTRUCTION. HUNDREDS OF THOUSANDS OF PLYWOOD BOATS NOW IN USE. EASY TO BUILD, AMAZINGLY DURABLE.

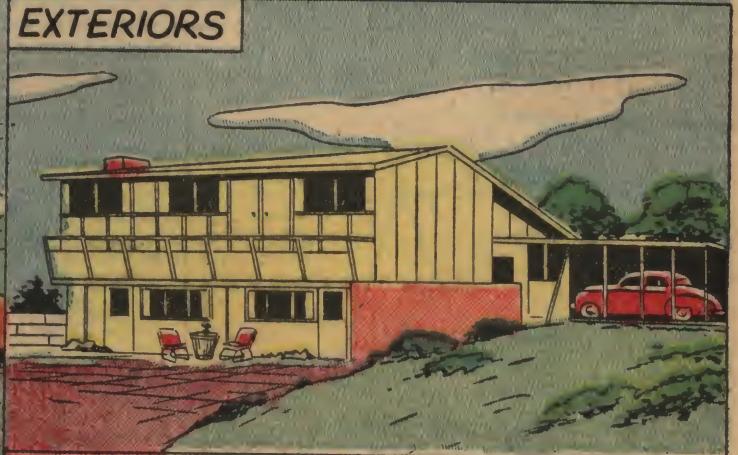
FARMS FARM BUILDINGS OF EXTERIOR PLYWOOD ARE EASY TO ERECT AND RUGGED. BIG PANELS MEAN TIGHT BUILDINGS. NO SPECIAL TOOLS OR SKILLS ARE NEEDED TO BUILD WITH DURABLE PLYWOOD.



EXTERIORS



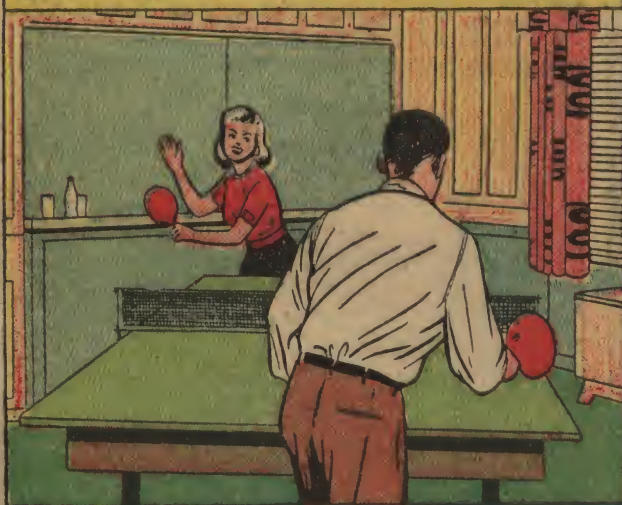
OVER 100,000 RAILROAD CARS HAVE SIDING AND LINING OF STRONG FIR PLYWOOD. SOME ARE 15 YEARS OLD.



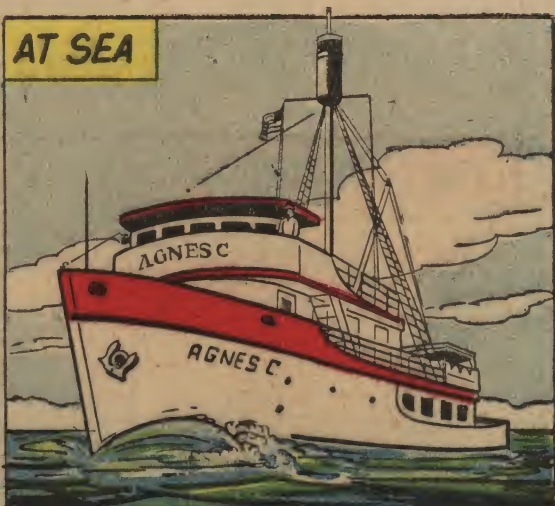
SMART HOMES ARE CREATED WITH WEATHERWISE EXTERIOR PLYWOOD SIDING. PLYWOOD FITS EVERY ARCHITECTURAL STYLE, ANY DESIGN TREATMENT- FROM COLONIAL TO MODERN.

HOME PROJECTS

GAME TABLES, TOYS, OUTDOOR FURNITURE, CABINETS, BOOKCASES - ALL ARE EASILY AND QUICKLY BUILT WITH PLYWOOD



AT SEA



MILLIONS OF SQUARE FEET OF EXTERIOR TYPE DOUGLAS FIR PLYWOOD, MADE WITH 100% WATERPROOF GLUE, ARE USED IN BUILDING HUSKY, GO-TO-SEA TUNA CLIPPERS AND OTHER MARINE CRAFT.

BUILT-INS



EVERY WEEK-END CARPENTER FINDS IT EASY TO BUILD STORAGE WALLS, CABINETS, WARDROBES AND OTHER BUILT-INS WITH PRACTICAL PLYWOOD PANELS.

SIGNS - DISPLAYS



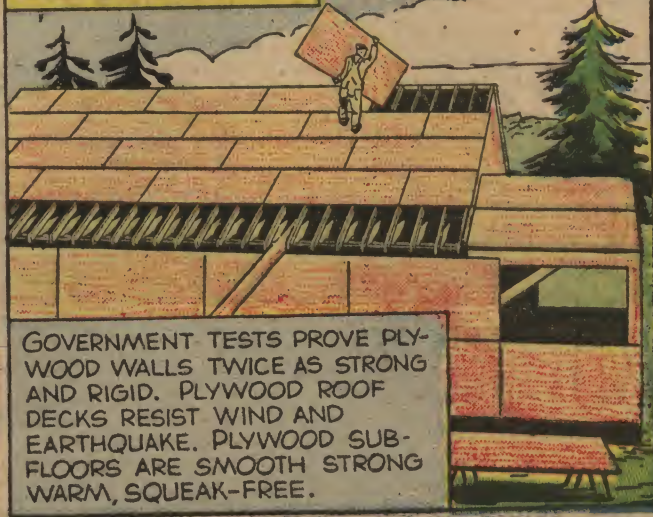
BIG, EASY-TO-CUT PLYWOOD PANELS ARE A NATURAL FOR SIGNS, DISPLAYS, CUT-OUTS, FIXTURES OF ALL KINDS

CONCRETE FORMS

IN BUILDING HUGE STRUCTURES, VERSATILE DOUGLAS FIR PLYWOOD PANELS ARE USED OVER AND OVER FOR CONCRETE FORMS



CONSTRUCTION



GOVERNMENT TESTS PROVE PLYWOOD WALLS TWICE AS STRONG AND RIGID. PLYWOOD ROOF DECKS RESIST WIND AND EARTHQUAKE. PLYWOOD SUB-FLOORS ARE SMOOTH STRONG WARM, SQUEAK-FREE.

OUTSIDE OR IN-Plywood FITS IN!

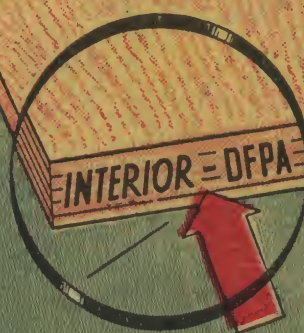
FOR OUTSIDE USE-



LOOK FOR THIS MARK-

THE EXT-DFPA ® GRADE-TRADEMARK IS YOUR ASSURANCE OF EXTERIOR TYPE DOUGLAS FIR PLYWOOD... PANELS BONDED WITH COMPLETELY WATERPROOF GLUE FOR PERMANENT EXPOSURE TO WEATHER OR WATER. USE EXT-DFPA FOR SIDING OF HOMES, FARM BUILDINGS, OUTDOOR SIGNS, AND ALL KINDS OF BOATS. SEVERAL APPEARANCE GRADES TO MEET USE NEEDS.

FOR INSIDE USE-



LOOK FOR THIS MARK-

INTERIOR-TYPE DOUGLAS FIR PLYWOOD IS BONDED WITH HIGHLY MOISTURE-RESISTANT (BUT NOT WATERPROOF) GLUE. THE DFPA GRADE-TRADEMARK IS YOUR ASSURANCE OF HIGH QUALITY PLYWOOD FOR ALL INTERIOR USES - PANELING, BUILT-INS, AND STRUCTURAL PARTS OF THE HOUSE. SEVERAL APPEARANCE GRADES, INCLUDING PANELS WITH EITHER ONE OR TWO SMOOTH SIDES, TO MEET USE NEEDS.

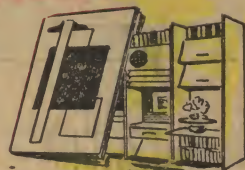
Get These Valuable Plywood Idea Booklets

Boat Plan Catalog Built-Ins Portfolio



Informative 32 page booklet describes and gives sources of over 250 plywood boat plans and 50 boat kits. Includes skiffs, dinghies, outboards, sailboats, cruisers. 10 cents.

More than 50 prize-winning designs for built-ins from national architectural contest. Designs for living room, bedroom, kitchen and new outdoor storage units. 10 cents.

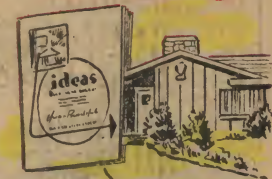


"Picture Pretty" Attics Ideas for Better Building

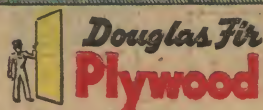


Helpful new idea booklet. Contains full-color illustrations for remodeling attics and basements with plywood. Paneling suggestions and information on new finishes. 10 cents.

Full color booklet tells plywood's role in famous Pace Setter House. Included are sections on better storage, climate control, double-use rooms, efficient use of materials. 10 cents.



SEE YOUR LOCAL LUMBER DEALER OR SEND 10¢ FOR EACH TO DOUGLAS FIR PLYWOOD ASSOCIATION, TACOMA 2, WASH.
OTHER PLYWOOD USE INFORMATION AND PLANS AVAILABLE; WRITE FOR DETAILS



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OUTSIDE OR IN-Plywood FITS IN!

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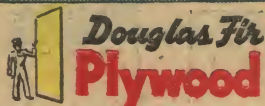
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